

Patent Abstracts of Japan

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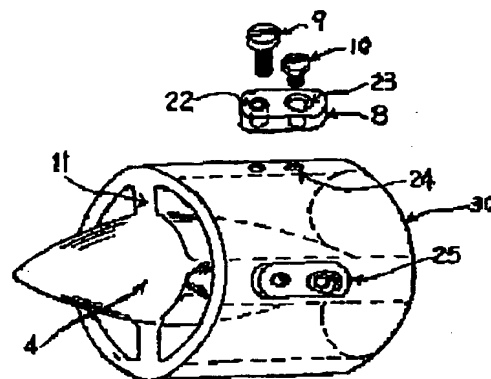
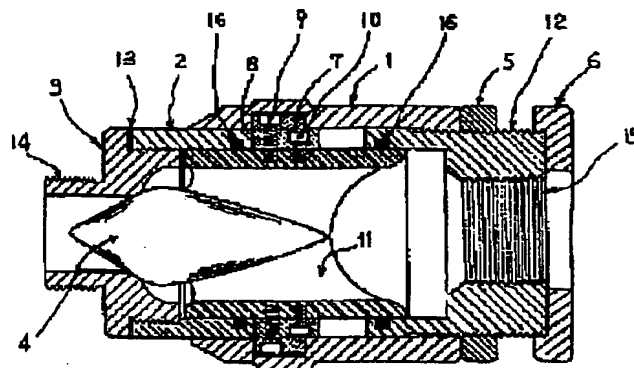
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TITLE : FLOW REGULATING VALVE
INSTALLING SHELL TYPE SLIDE
VALVE HEAD



ABSTRACT : **PURPOSE:** To make precision flow rate and pressure settable without changing a flow direction of fluid by unifying a shell type valve head with a sliding pipe through a support blade, slidably fitting it in a cylinder with a valve seat, while making the valve head into sliding motion by operation of a regulating ring, and adjusting a gap in the valve seat, then setting vernier graduations showing the extent of valve opening on the cylinder.

CONSTITUTION: A streamlined shell type valve head with a conical head is supported on a sliding pipe 30 by means of a symmetrical blade type support blade 11. The sliding pipe 30 supporting this shell type valve head 4 is housed in a cylinder 2. A valve seat 3 corresponding to the shell type valve head 4 is formed in a tip of the cylinder 2. In succession, a regulating ring 1 is installed in this cylinder 2, and with the rotational motion, it is reciprocated in the axial direction with the cylinder 2, through which the valve head 4 is made to contact or separate to or from the valve seat 3 via a precision feed screw 12, thereby regulating the extent of valve opening. In this connection, vernier graduations showing this valve opening are installed in the cylinder 2 and the regulating ring 1, thus an opening display is carried out.

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